

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original): A process for hydroprocessing a hydrocarbon feedstock, comprising the steps of:

 providing a hydrocarbon feed having an initial characteristic;

 providing a first hydrogen-containing gas;

 feeding said hydrocarbon feed and said first hydrogen-containing gas cocurrently to a first hydroprocessing zone so as to provide a first hydrocarbon product;

 providing a plurality of additional hydroprocessing zones including a final zone and an upstream zone;

 feeding said first hydrocarbon product cocurrently with a recycled gas to said upstream zone so as to provide an intermediate hydrocarbon product; and

 feeding said intermediate hydrocarbon product cocurrently with a second hydrogen-containing gas to said final zone so as to provide a final hydrocarbon product having a final characteristic which is improved as compared to said initial characteristic.

Claim 2 (original): The process according to claim 1, wherein said initial characteristic is an initial sulfur content and said final characteristic is a final sulfur content which is less than said initial sulfur content.

Claim 3 (original): The process according to claim 2, wherein said final sulfur content is less than or equal to about 10 wppm

based upon weight of said final product.

Claim 4 (original): The process according to claim 1, wherein said first hydroprocessing zone is a first hydrodesulfurization zone.

Claim 5 (original): The process according to claim 4, wherein said additional hydroprocessing zones comprise additional hydrodesulfurization zones.

Claim 6 (original): The process according to claim 5, wherein said first hydrodesulfurization zone and said upstream hydrodesulfurization zone each produce a gas phase containing hydrogen sulfide hydrogen and volatile hydrocarbon fractions and further comprising feeding said gas phase to a low temperature separator for separating a liquid phase containing said volatile hydrocarbon fractions and a gas phase containing said hydrogen sulfide and hydrogen, and combining said volatile hydrocarbon fractions with said hydrocarbon feed.

Claim 7 (original): The process according to claim 1, wherein said final zone also produces a hydrogen-containing gas phase, and further comprising feeding said hydrogen-containing gas phase to said upstream zone as said recycled gas.

Claim 8 (original): The process according to claim 1, wherein said first hydrogen-containing gas and said second hydrogen-containing gas are separate quantities of fresh hydrogen-containing gas, and wherein said recycled gas contains contaminant removed from said intermediate hydrocarbon product.

Claim 9 (original): The process according to claim 1, wherein each of said first hydroprocessing zone and said plurality of additional zones contains a hydroprocessing catalyst.

Claim 10 (original): The process according to claim 1, wherein said hydrocarbon feed is a Diesel feed.

Claim 11 (original): The process according to claim 1, wherein said hydrocarbon feed is a gasoil feed.

Claim 12 (original): The process according to claim 1, wherein said hydrocarbon feed is a naphtha feed, and further comprising feeding a product of said first hydroprocessing zone and said plurality of additional hydroprocessing zones to a condenser for providing liquid phase naphtha and gas phase hydrogen and hydrogen sulfide.

Claims 13-16 (cancelled).